

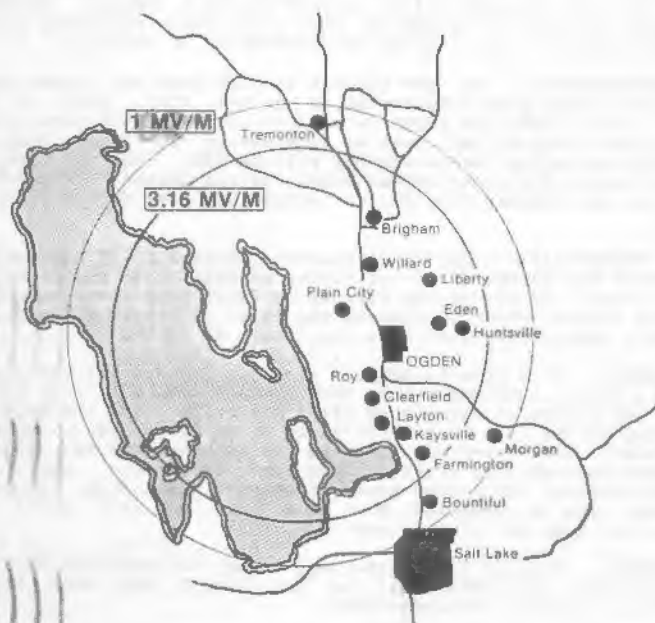
Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

JUNE 1993

KJQ ★ FM

KJQ, FM - OGDEN
SGS BROADCASTING OF UTAH INC.



WORLDWIDE TV-FM DX ASSOCIATION

POST OFFICE BOX 514-BUFFALO, NY 14205-0514-USA.

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first class mail



11/93
WILLIAM N NOLLMAN
35 NYE ROAD
GLASTONBURY CT 06033



Nashville

1993

CONVENTION NEWS UPDATE

DATES: FRIDAY, SATURDAY AND SUNDAY, JULY 15, 16 and 17.

GENERAL INFO: Although this is being written just a few days after you received your May VUD, several members have already responded. All those we've heard from so far will be staying at the Convention HQ hotel. It's always risky to estimate attendance, but an educated guess at this early date puts the tally at about 30...give or take a few.

HOTEL INFO: As mentioned previously, the Days Inn Central will be our host hotel. As you read this you'll still have a few days to lock in a reservation at the \$45 room rate (up to four per room for the same price). After June 15 you may be subject to a higher rate or non-availability of rooms. To make last minute reservations call toll free: 1-800-251-3038. Be sure to mention "DX" to get the quoted rate. IF YOU ARE NOT ABLE TO COMMIT TO A RESERVATION PRIOR TO THE DEADLINE THERE MAY STILL BE ROOMS AVAILABLE AT THE DAYS INN CENTRAL. IF NOT, THEY SHOULD BE ABLE TO REFER YOU TO ANOTHER FACILITY NEARBY. ALTHOUGH THERE ARE A LOT OF ROOMS IN NASHVILLE, YOUR HOSTS DON'T RECOMMEND WAITING UNTIL THE LAST MINUTE. YOU MIGHT BE INCONVENIENCED BY DELAYING.

PRE-REGISTRATION: If you haven't already done so, please complete the pre-registration form (centerfold of the May VUD). Even if you can't commit...but THINK you might be able to attend...we'd like to know. \$25 pre-registrations by mail must be postmarked no later than July 15. Registration during the convention will be \$30. [The fee pays for rental of the entire 9th floor of the hotel for the duration of the Convention, a banquet on Saturday July 24, and snacks and soft drinks for all three days.]

GUEST SPEAKER(S): Mr. Aaron Shelton, retired Chief Engineer of WSM-TV (now WSMV) has accepted our invitation to talk about the early days of the industry. We are in the process of finalizing arrangements to obtain a second speaker who will discuss the state of broadcasting today as well as take a speculative look into the future of FM and TV.

UNDECIDED? We'd like to suggest that you re-read all the pre-publicity for this event...beginning with the February 1993 VUD. You'll find that there are plenty of reasons to visit Nashville. But the best reason for attending is the fact that there'll be other DXers here...sharing their experiences and knowhow...shooting the breeze about DX...DXing with the equipment that will be available for convention-goers...etc., etc.! It's a DXer's heaven! If you've never attended a Convention, you simply don't know what you're missing! What more can we say? Still undecided? Follow that urge and sign up now!

QUESTIONS? Just call or write Doug Smith, 14 Brookside Ct., Nashville, TN 37209-4503 (615-356-8305); or Tom Bryant, 849 Todd Fraie Drive, Nashville, TN 37221 (615-646-2000).

NEXT MONTH: Just in time for your trip to "Music City USA"...detailed instructions on how to get to the Days Inn Central. You'll appreciate the convenience of your Nashville Convention HQ.

TV News

Doug Smith
14 Brookside Court
Nashville, TN 37209

615-356-8305
CIS 72777,3143

Abbreviations used in this column:
ERP= Effective Radiated Power, in kilowatts
HAAT= Height Above Average Terrain, in meters
AAT= Above Average Terrain
AG= Above Ground
ASL= Above Sea Level
nc= no change
TL= Transmitter (and tower) Location
CP= Construction Permit
MP= Modification Permit (modification of CP)
*= Non-commercial
CRTC= Canadian Radio-TV Commission
DBS= Direct Broadcast Satellite

APPLICATIONS TO CHANGE EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
AR	26	500	238	KRZB-TV	Hot Spgs.
(was 245kW/287m)					
PR	11	316	346	WLII	Caguas
(was 200kW/360m)					
PR	9	182	837	WSUR-TV	Ponca
(was 58.9kW/846m)					

CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
CO	8	233	728	KTSC	Pueblo
(TL:38°44'41"N, 104°51'38"W Chayenne Mountain, home of KKTU-11 and KRDO-13. Was 316kW/372m.)					

CHANGES TO THE TABLE OF ALLOCATIONS

Albion, NE:	delete 8
	add 18
Lincoln, NE:	add 8
Frederickstad, VI:	add 66

STATION BACK ON THE AIR

WNTZ-48 Natchez, MS: seen by Jeff Kruszka in late April with Fox programming. This may be a satellite of KADN-15.

NEW STATIONS ON THE AIR

Williamsport, PA: WILF 53-:
12.2kW, 222m AAT
TL 41°11'57"N, 77°07'38"W
Roughly 8km NW of downtown
Williamsport.

Calls noticed by Dave Nieman
on WOLF/WWLF ID in early May.
Fox affiliate, satellite of
WOLF-38 Scranton.

Chippewa Falls, WI: WEUX 48z:

60.3kW, 98m AAT
TL 44°52'36"N, 91°18'22"W
Just east of Chippewa Falls, about
12km NE of Eau Claire.

Seen by Jeff Kadet on March
28. Fox affiliate, satellite
of WLAX-25 La Crosse.

OTHER STUFF

Wow, some real live classified
legals! AM will probably be
getting a lot more FCC attention
over the next few months, as
applications are now being accepted
for 1600-1700kHz stations, but it
looks like the upholding of the
must-carry rules will spur some TV
activity too.

The Nebraska changes above
reflect the move of KCAN-8 from
Albion to Lincoln. While I haven't
seen anything official, I'd think a
change of tower location will also
be required as KCAN's current site
near Columbus doesn't put a Grade A
signal into Lincoln.

A commission appeal for extra
funding to enforce the Cable Act
has been denied by Congress.

Multiple cable system owner
TCI has threatened to drop
ABC/CBS/NBC affiliates if they
continue to insist on high
retransmission-consent payments.
They claim a customer survey shows
that subscribers support their
position-- showing that 57% of
subscribers say cable systems
should drop network affiliates if
consent payments required an
increase in rates. But the same
survey showed that 59% would cancel
their subscription if one or more
networks weren't carried.

The "Vertical Interval
Reference" signal, formerly used to
allow TVs to automatically adjust
color, has been obsoleted. The
Commission has agreed to allow
stations to use Line 19, formerly
used for the "VIR", to transmit the
new ghost-cancelling reference
signal. Stations which use the VIR

signal internally (often, for "on the fly" transmitter adjustments) may move it to some other line between 10 and 16. Also, stations may now use Line 21, previously available only for closed-captioning, to transmit other data signals. Closed-captioning continues to take precedence; any other data use that would interfere with captioning is not permitted.

(see TECHNICAL PRIMER for more info on the "VIR")

U.S. District Court in Las Vegas has reversed a FCC decision to fine KVBC-3 Las Vegas and KRNK-4 Reno. The stations were fined for airing advertising for gambling casinos. Such ads are legal in Nevada, where casinos are legal, but the Commission cited the stations because they have some coverage in parts of California and Utah, where casino advertising is not permitted. The court said it finds "... it difficult to accept that commercials about legalized casino gambling located in Nevada pose any real danger to the public policies of California and Utah."

Commissioner Sherrie Marshall has resigned and taken a position with a Los Angeles entertainment law firm.

The Commission has proposed a number of rule changes for LPTVs. Proposals would make it easier to apply for a change in facilities or to show that terrain shielding would permit allocating a station where it wouldn't otherwise be possible. And, maybe more important to DXers, they've proposed to assign regular 4-letter call signs rather than the letter-number combinations currently used.

As if the freeze on new TV applications wasn't bad enough (for this columnist -- or good enough for DXers!)... FCC Chairman James Quello has promised to investigate the possibility of a freeze on new FM stations. Unlike the TV freeze, which has been imposed to ensure adequate available spectrum for HDTV, the proposed FM freeze would be strictly for economic reasons, to protect existing stations from competition.

Another item that's really more radio than TV but... An uplink failure at ABC's Satellite Music Networks, a facility that provides automated satellite-fed radio programming, caused about

1,000 radio stations to go silent for five minutes on May 13.

It's rumored that Spanish-language network Univision is interested in buying WGB0-66 Chicago. Their current affiliate there, WC1U-26, carries only part of the Univision schedule.

Macrovision, the firm which produces the anti-copying system for rental videocassettes, has announced a system for pay-per-view cable and DBS movies.

Virtual Vision of suburban Seattle has developed an interesting new device. A five-ounce visor contains a color projection TV; the wearer sees a TV image projected in mid-air. The unit was developed as a way for people to watch TV while walking down the street or attending a live sporting event, but professional video users may also find it useful for getting unusual shots where they can't see the viewfinder.

DBS firm DirectTV has signed programming contracts with 13 popular cable services. Among others, CNN, TBS, USA, and TNN will be carried.

LPTV WATCH

Call St City: programming
W22BF AL Decatur; TBN
W57BV AL Florence; TBN
W67CO AL Huntsville; TBN
W46BU AL Tuscaloosa; TBN
K57EO AR Bentonville; KFSM-5 (CBS)
K52DQ AR Fayetteville; KFSM-5 (CBS)
W56CD GA Rome; WTLK-14
W28AN NC Franklin; WUNF-33 (PBS)
W68BK NC Raleigh; "WAUG" educ.
W68BI VA Driver; CHA - OFF

This month courtesy of Ed Phelps and Stephen West. Note there's also a WUNF relay on 56 (W56AG) in Franklin, NC; the two have different tower sites, and presumably serve different sides of a mountain. It's not currently known whether the Alabama TBNs are fed directly off the satellite, or via WTJP-60 Gadsden.

FORUM

Fred McCormack, St. Paul MN:

Fred has the answer to my, WHBL-28 question from the April VUD-- "The construction permit for WHBL-28, Sheboygan was cancelled 03/30/87 according to the 04/13/87 Addenda to Television & Cable

Factbook." He says there was no record of this station having ever gone on the air. I probably saw them testing under their CP. Fred also relayed the report of Jeff Kadet seeing WEUX-48.

Rod Luoma, Livonia, MI:

(sorry if I misspelled your last name Rod! Lost the envelope you mailed your letter in..)

Rod is with Technical Operations at WJBK-2 Detroit. He writes: "On April 7, 1993, WJBK-TV ch. 2 in Detroit began broadcasting with a new 100% solid state transmitter built by Larcam of Mississauga, Ontario, Canada. This new unit was purchased as part of a program to enable radiation of a circularly polarized signal when the main antenna is replaced in June of this year."

He goes on to mention that the project will cost \$1.2million. WJBK is willing to spend that money in hopes of improving reception, not only at the 38% of Detroit-area homes that don't have cable, but on the un-cabled second and third TVs in homes that do have cable TV on their first sets. The monopole and rabbit-ears antennas frequently used by urban viewers respond better to vertically-polarized signals than to the horizontally-polarized signals broadcast by most stations.

"The technical flow of events is as follows, starting on May 24. First, the single bay standby antenna side-mounted at the 800' level will be taken down and replaced by a new Dielectric TF2CL two-bay batwing. Also the 35 year old transmission line will be replaced with new 3-1/8" hardline. After testing, we will begin broadcasting with the standby at its maximum capability of 50kW ERP. Then we can proceed with the main antenna replacement... A gin pole side mounted to the tower near the top will be used to lift the current antenna out of its mount, swing it out, and lower it to the ground, with a winch supplying the power."

"The new Dielectric TDM-7A2, weighing 9.9 tons, will be shipped from New Jersey in two halves and welded together on site, forming a seven-bay antenna which will then be winched to the tower top, set into the mounting collar, aligned vertically and locked into position. Two transmission lines

will feed the antenna, one line powering 3 bays and the other 4 bays,... The new antenna requires 44kW of transmitter power to develop 100kW circular ERP, whereas the old RCA required 22.5kW transmitter power to provide 100kW ERP horizontal." (thus the need for a new transmitter)

"One of the two RCA TT30FL transmitters will be retained as a standby unit while the other will be sold,... One of our previous transmitters ended up going to KXMA ch.2 in Dickinson, ND some years ago."

"Well, the bottom line is that if the station gains one rating point as a result of this expenditure, it will pay for itself in one year! We at WJBK-TV certainly hope so."

Well, programming makes a much bigger difference than circular polarization, but... my impression, based on comparing the WISC-TV and circularly-polarized WSMV, both from receiving sites very close to the tower, is that circular polarization indeed does make a BIG difference in signal quality for nearby viewers with poor antennas. I think WJBK will be pleased with the new antenna-- but local DXers may not be quite so happy!

Matt Sittai, Tallahassee, FL:

Matt passed along two clippings from the April 17 Tallahassee Democrat. In one, rumors of financial trouble at the Home Shopping Network. HSN reported a \$27million loss in the quarter ending Feb. 28; a firm that lends money to some HSN clothing suppliers has suspended credit; and another firm which holds a controlling interest in HSN decided not to buy up the rest of the company's stock. HSN's president and CEO, Gerry Hogan, says the loss results from a change in marketing strategy, the company is not in trouble, and the company has returned to profitability.

Also in the financial department, WTXL-27 Tallahassee has been sold to a Virginia company, Media Venture Management. Phillips Credit Corp. of New York had attempted to foreclose on WTXL after previous owners ET Broadcasting failed to repay a 1991 loan. No changes in programming are expected.

Stephen West, Glen Mills, PA:

(Thanks for taking over ETV:
looks good!)

Stephen sent a few random notes: "WTMW-14 in Arlington, VA is still testing. Ch. 68 in Driver, Va. was not on the air, and no longer listed in the Va. Beach newspapers. WVIR-29 boasts being the most powerful TV station in Virginia with five million watts. Locally the LPTV-14 in Middletown, DE is now calling itself "Family Vision" and no longer IDs with WGBB-49. WGTW-48 in Philly seems to be transmitting on Ch. 47-1/2. Ch. 63 Richmond, Va is still off the air."

The Driver LPTV is W68BI, formerly Channel America. An article in Broadcasting Magazine indicated that Channel America plans to return to the air soon - whether that will actually happen is anyone's guess. The WVIR-29 item would indicate that their CP is now on; they had been 1290kW. Regarding WGTW-48, I wonder if their lower-sideband filter is screwed up? If so, I'd think WNJU-47 would be complaining! Finally, with regard to WVRN-63 in Richmond, they're no longer in my database-- I believe WRLH-35 bought them & returned the channel 63 license to the FCC for cancellation.

Stephen also sent a copy of the TV section of the Raleigh, NC *News & Observer* for April 8. It indicates that WYDO-14 does indeed duplicate WFXI-8 for most of its broadcast schedule, but there are a few midday religious programs on WYDO while WFXI is running cartoons & dramas. Also, there's a listing for a "WAUG-68", which appears to be an educational station, with such exciting programming as "Library Management", "German 2", "Staff Development", and "Introduction to Interactive Multimedia". Presumably this is W68BK, licensed to St. Augustine's College.

Dave Sinclair, Vancouver BC:

Dave forwards ongoing coverage of the CRTC's hearings on the future of Canadian television, from the *Globe & Mail*. Largely, the debate amounts to Canadian cable systems requesting relief from rate restrictions, and permission to charge subscribers for the installation of digital-compression equipment, so they can compete with

U.S.-based direct broadcast satellites (DBS).

Several witnesses, including ones representing the Consumers Association of Canada and the Ontario provincial government, have suggested relaxing Canadian content restrictions on cable systems. The Ontario Ministry of Economic Development suggests that, when all subscribers have addressable decoders, each subscriber should receive one basic all-Canadian package of services; other services, including U.S.-based ones, would be individually available.

Another witness, the president of the Association of Television Producers and Directors, said the CRTC should give up on Canadian content regulations on private broadcasters altogether, and establish a government-owned public broadcasting service. This new service would be funded by \$1.2 billion of public funds currently held by Telefilm Canada and provincial agencies, and by a \$1.7 billion tax on cable TV services.

Meanwhile, a representative of one of the "deathstars", DBS executive Jim Ramo, denied that his U.S.-based DBS system would wipe out cable and Canadian broadcasting. One of his DirecTV's Canadian executives said "A new DirecTV subscriber does not equal a cable television disconnection."

Bill Nieniadly, Clifton NJ:

Two items from the NY Post.. First, Fox and multiple cable system operator TCI have agreed to start a cable entertainment channel based on Fox network programs. The channel is expected to start later this year or early in 1994.

The article doesn't say so, but I suspect this is part of Fox and TCI's answer to the new retransmission-consent regulations in the Cable Act; Fox had previously said, on behalf of its affiliates, that it would accept a second cable channel in lieu of cash payments for retransmission consent. The article does say that, out of the \$30 million TCI will pay Fox for the programming, Fox will send either 7.5 cents per month per subscriber, or 5 cents per month plus 25% of the channel's profit.

Also... it happened again... While workers in another room were editing a tape of a couple having sex, for an upcoming talk show, someone punched the wrong button & it got on the air... This time, WXYZ-7 Detroit was the embarrassed party. At least this time, it happened during a soap opera. As someone speculated awhile back, sooner or later this is going to happen on TBN!

TECHNICAL PRIMER: VERTICAL INTERVAL SIGNALS

In case the references to "VIR" at the head of this article are a little confusing, here's some technical information on the subject.

A television picture is formed by an electron beam moving from left to right across the screen. When the beam reaches the right edge, it snaps back to the left & moves down. When it reaches the bottom right of the screen, it not only snaps left, but also snaps back to the top.

To accomplish this, two sets of electromagnets are fastened to the neck of the picture tube. One moves the beam up & down, the other left & right. A "sawtooth" signal is fed to each magnet -- this is a signal that starts at a low current, and gradually increases until the right (or bottom) edge of the screen is reached. It then snaps back to a low current to start the next line (or screen).

But you can't turn off this current instantly-- instead, you have to decrease it as quickly as possible. This action causes the electron beam to move backwards across the screen, a process that could cause spurious bits of light to appear over the top of the picture. To avoid this, the FCC requires that TV stations transmit a "blacker-than-black" picture during this period.

As it turns out, the synchronizing signals used to make sure the electron beam in your TV is in step with the one in the camera are also "blacker-than-black". So, this beam-return interval is a good time to transmit these synchronizing signals.

In the early days of TV, it took a long time for sets to return the beam to the top of the picture. The FCC decided to require stations

to transmit 21 lines of black at the top of each picture, thus allowing the TV 21 lines to get the beam back to the top of the screen. These 21 lines are called the "vertical synchronizing interval", or, more commonly, the "vertical interval".

Today, TVs are much better: it takes something like 10 lines to get the beam back. Rather than leave the other 11 lines blank, the FCC decided to authorize stations to transmit specific signals on these 11 lines. Some of the things transmitted include closed-captioning, teletext, ghost-cancelling signals, and even little test patterns.

By misadjusting your TV's vertical hold control, you can often see the "vertical interval". This is the black horizontal bar across your screen; you'll probably see little white lines, dashes, or multi-color patterns towards the bottom of this bar. These are the vertical interval signals.

By the way, you might ask why the horizontal interval isn't also used. Mainly, because it's so short-- a small fraction of a line. Also, because small synchronizing errors, as are often introduced by videotape recorders, will frequently make the horizontal interval visible briefly. Still, it is used for the horizontal synchronizing signal, and for the "burst" used to synchronize color TVs. There had been some talk of using the horizontal interval to carry audio signals, but I believe that was found unworkable.

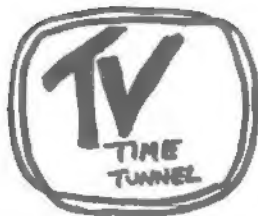
CONVENTION:

Tom's articles pretty much say it all. Please do send in the registration form as soon as possible. Again, if you plan to come but can't positively commit at this time, let Tom or myself know anyway; the more advance information we have, the better.

DX etc:

Some tropo enhancements, and our normal scatter is back. Some Es has been reported, and I'm certainly keeping the TV primed & ready!

73 Doug



PREPARED FOR THE VUD BY TOM BRYANT, 649
TODD PREIS DR., NASHVILLE, TN 37221. AIPA
NEWSLETTER COURTESY OF WFOAer BILL ECKBERG.

IF YOU'VE EVER WONDERED WHAT SORT OF FORUM
TV DXers HAD BEFORE THE WTPDA WAS FOUNDED
IN 1968, YOU'RE ABOUT TO FIND OUT. OUR
CLUB'S PREDECESSOR WAS THE "AMERICAN IONOS-
PHERIC PROPAGATION ASSOCIATION"; AND HERE'S
A COPY OF THE CLUB NEWSLETTER FOR MAY 1960.

FCC NEWS

AIPA

May 6, 1960

FCC Grants.

Ch 2 Vermillion, S.D., 167K-.084;
Ch 2 (Ed.) State of S.D. Univ.
Ch 8 Jonesboro, Ark.
Ch 9 Eugene, Ore.
Ch 9 Alpena, Mich.
Ch 11 Santa Fe, N.Mex.
Ch 11 Grand Isl., Neb.
Ch 13 Hilo, Hawaii (Lic to KHVH-TV)
Ch 19 Kansas City, Mo. 17.8 -9.77

Applications to FCC

Ch 12 Wilmington, Del. There are
many applications in for
Ch 12 in Wilmington, Del...
Ch 25 Eau Claire, Wis.

New are.. KRET-TV (Ed.) Richardson
Texas, on Ch 23.
WSLA Selma, Ala on Ch8.

CALL CHANGES ETC.

WXGA-TV ch 8 Waycross, Ga. from
WDBS-TV..
WEGA-TV ch 9 Savannah, Ga. fr WXGA
WFEN-TV ch 32 in Clearwater, Fla.
KWCS-TV ch 10 in Ogden, Utah.

Changes..

WGTN ch 8 in Athens, Ga.
Charleston to have a new ch 4.
WTVN Columbus, Ga. ch 28 to ch 9
WBTW ch 8 in Florence, S.C. to ch 13
WRBL ch 4 Columbus, Ga. to ch 3.

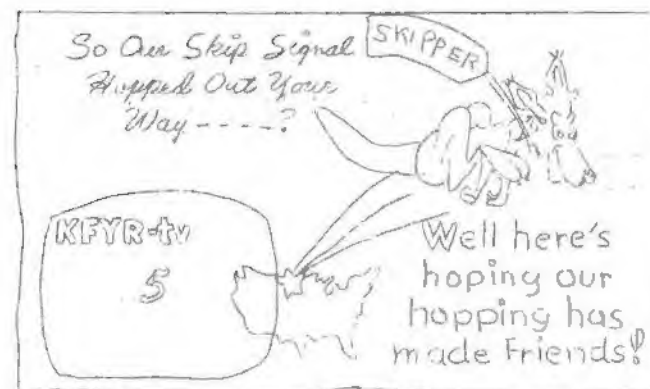
MIS'L NEWS.

WRBL-TV heard here in Bflo, N.Y. via Aurora 4/29/60 on
ch 3...changed from ch 4..
KLOR-TV ch 11 Provo, Utah is off the air temp-- Tech difficulties.
A majority of "NOT ON AIR" UHF permits has asked the FCC to keep
their construction permits alive hoping conditions will improve
in the UHF line to allow them to build. KTRX(TV) Kennewick, Wash.
has cancelled their lic. and permit.
Word from Dennis Smith is that apparently K-VUE ch 40 in Sacramento,
Calif. has gone off the air. Also KPRE-TV ch 12 Fresno, Cal. is do-
minately going to UHF. (word is that that area will all go UHF)
Five appl's are in for ch 5 station in Edmonton, Alta. Canada. and
two in for ch 3 in Prince George, B.C. Canada.
A new TV station asked for in Sturgeon Falls, Ont. on ch 7 (Fr. Station)
The Toronto Telegram, Evening Post will get the new Ch 9 there.
CFCL-TV to get a power boost 18.5-9.25 to now 100Kw- 50Kw.
Add CFCY-TV ch 7 in New Glasgow, N.S. Canada and GJCN-TV ch 4 in
Grand Falls, N.fld. Can.
CFCE-TV ch 12 Montreal, Que. plans their start on Jan. 1961 with a
power of 325Kw- 160Kw.
KFVS-TV Cape Girardeau, Mo. has a new TV Tower being built 1,676 feet
high, which is said will be the tallest man made structure in world.
Johnson, Pa. has asked FCC for another VHF there, on ch 3 or ch 8.
New York8s WRCA-TV wants the call WNBC-TV returned to them.....

DX-HORIZONS has now perfected the 1st all Amperex Receiver with truly
fantastic gain of a high order. starting in the July publication
there will be a series of articles on complete modification details
so that any DXer can enjoy 300 miles reception on poor days, and almost
unlimited reception on good days.

NEW MEMBER is James Hughes of Saginaw, Mich. James is with the UHF
station WKNX-TV ch 57. He is also interested in FM-DX so Bryan
Rawlings and Phil Jacobs will be hearing from him. Our Tom Hadley
is responsible for DXer Hughes' membership into the AIPA.

Art Collins.



Western
DX
May 1960

The above verie card was sent to me a couple of years ago from KFVR-5
in Bismark, North Dakota..and I thought it was so cute and different,
that I thought I'd draw it..or try to anyway..for those of you who do
not as yet have one to add to your collection.

A card in from Gordon Simkin says that his other evening, was meant
to mean..last evening..or April 13...I'm only teasing you Gordon..Hope
you don't mind all of this. Also logged..April 22 EFDX-3 by me..now,
and # 61 logged. KTWO-2 tropes. April 24, aurora 2-13 with no ID's.
April 26, KTVI-2 by Es and one texas -2. QRM-3 WSM-4 possibly. Thanks
for the card.

Morris Foote from Middleton, Idaho writes that he really got a
thrill the other day...as he received a good me on channel 13 with a
RTMA type TP with of all things...no call letters. Well, cross your
fingers and hope that next time, they will have a call slide on.
March, 31, chs. 4-5-6 unid by aurora dx. April 1, chs. 2-3-4-5-6- by
aurora dx. April 13, unid ch. 13 by me. KARK-4 by Es /KNAC-5 by Es/
unid ch. 6 by Es.

A most appreciated letter arrived from our good friend and fellow
dxer...Ron Hilding of Salt Lake City, Utah...Ron says that he sent me
his Xmas log and it should have been in the Feb. bulletin...Golly Ron,
I didn't receive it at all...in fact, I can't remember the last time I
heard from you...Ron reports that KPHO-5 is going on Maximum power all
most anytime now..with programs from 9am Sunday thru Friday and 10:45
am on Sat...MST. Ron entered (or someone entered it for him?) his car
in the Southwestern Rod and Custom show..and it won a 32" trophy. Sure
am sorry about the lost loggings, Ron...hope you can write again soon.

The only DX wise news I have from up here in Washington, is...Lots
and Lots of Aurora this last part of April...almost every day it seems.
But today...May 1st...I finally logged my first Es of the season.
It only lasted about 9 minutes...but see it was good to see again.
Dear old KTWO-2 in Casper, Wyo. was on with their T.P. So I hope that
this means Es will start appearing from here on in.

BEST OF DX TO ALL OF YOU IN THE COMING MONTH..

DEE JOHNSON
146 Madison Pl.
Longview, Wash.

MARK YOUR
CALENDAR
NOW!



Nashville
DX

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NY 14221

For DXers in: MA, NH, VT, CT, MAR, IN, IL, W, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada
JUNE 1993 → DEADLINE: The 5th LOG-EUTOFF: 2 months from postmark

Another small column this month, as conditions have been slow in most areas for the spring. There has not been any significant spring tropo reported in the northern FM reporting area. The first half of May has been slow as far as the skip season getting under way, but there have been signs of skip. No report of any FM skip heard here, yet. Tropo has picked up somewhat as well. Let's hear from you!...

DAVE NIEMAN-12284 NICE ROAD-AKRON, NEW YORK 14001-9529

Equipment: Carver TX-11a tuner, Channel Master Stereo Probe 9 at 30 feet AGL on crankup tower, (820 feet ASL). Alliance HD-73 rotor and RG-11 coax.
New loggings are underlined. New call: KKKK. New propagation mode: WWW.

APRIL 1993 DX

6 Traps
13:11 CIRV 88.9 ON Toronto, call, cs 65
ex. 88.7

Another good DX frequency lost. Dave

DAVE NIEMAN - HO STA GFH - ROAD-ROCK CITY, NEW YORK

Equipment: Carver TX-11 tuner IF filter modified. Antennacraft FM 10.1 at 25 feet AGL (2415 feet ASL). Winegard FT-7600 variable FM trap for 95.7mHz. RG-6 coax and Radio Shack rotor.
New loggings are underlined. New call: KKKK. New propagation mode: WWW.

APRIL 1993 DX

4 Traps
13:24 WGL 90.7 OH Lima, ID with WOTE 91.3, cs 308
10 Traps
10:00 CIRV 88.9 ON Toronto, call, cs 123
ex. 88.7
24 Traps
08:13 WAPP 105.5 VA Berryville, call, cs 202
May 1993 DX
1 Traps
05:15 WGL 92.3 PA Riverside, "Wiggle" k s, 116
WRBN Warren PA off 116
08:49 WNCN 101.3 OH Ashland, call, ks 217
09:54 WQHG 108.3 PA Huntingdon, call+ "FM 108.3", rms, WORM
Smethport PA off 109
10:32 WIOY 105.1 PA Ephrata, call, ks 175

MAY 1993 DX

2 Traps
05:21 WYMK 107.7 PA Tunkhannock, "Y 107.7" rps, over WNUC
Wethersfield NY 128
06:03 WGGY 101.3 PA Scranton, call+ "Froggy", ks, ex WGBI 140
06:18 WKRZ 98.5 PA Wilkes-Barre, "98.5 KRZ" cs 148
06:23 WQHT 97.1 NY New York, "Hot 97" cs 248
06:33 WUNS 98.3 PA Lewisburg, "U 98.3" + call rms 110
06:55 WMBE 95.5 PA Salladasburg, call, rms 85
07:16 WMSG 92.9 PA Scranton, Magic 94, s 146
09:00 WRAC 107.9 PA Williamsport, ID, s 96
09:18 WLEZ 106.9 PA Scranton, "Rock 107", local ads, rps 146

Pick up a Winegard FT-7600 2 stage variable FM trap from Rich Wertman. Installed it in line and adjusted both stages to WPIO 95.7 which is just down the road. It works good; we even had a little morning tropo enhancement to try it out. I also got another FT-7600 trap for the TV. Since WOLN came on the air I've been having trouble DXing channels 8.9 (4 to because of herringbone lines). This one is also adjusted to trap 95.7mHz. Dave

MIKE BUGAJ - 69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082

Just a few notes here of station news. First off, WVAY 100.7 in VT has two new translators on the air that get out real well. They are W259AV-99.7 in Marlboro, VT, and W284AV 104.7 in Jamaica, VT. They 99.7 translator is 65 miles from here on Hogback Mtn. west of Brattleboro and the other is on Stratton Mtn, 85 miles+. Look for these during tropo openings as I can hear them 20 mi. south of here on the north slopes of hills in the car. By the way, WVAY does ID all its translators on the hour. Killington, Vermont is now on the air on 105.3. The calls are WEBK (K105), with classic rock. WBBS-105.1 in Great Barrington, Massachusetts is now relaying WAMC 90.3 with the calls WAMQ. And WDDJ 96.9 Boston has just gone country! Since WVBF-105.7 has gone country, I wonder who will survive? And WUUU 102.5 in Rome has also gone country (WKDY) 93.5 Remsen, NY has picked up the WUUU calls and the oldies format-gr and WKGW 104.3 Utica has gone classic rock (calls itself Kicks 104.3 and IDs as Utica-Syracuse [is this a stretch or what?]) (They have taken over the 104.7 format, which just went, you guessed it, country. It is a stretch, WKGW is poor in many parts of Syracuse-gr). I did hear the WKGW ID yesterday, but may soon change (I have heard that when 104.7 changes calls, WKGW will switch to WKFM-gr). And today I heard WCOZ-94.5 Boston (call change from WZOU-gr) call itself "the new jammin' 94.5". Only mentioned calls around the top of the hour. No real DX here to mention (yet). Hopefully Es soon.

DON'T FORGET TO REPORT YOUR DX!



NORTHERN FM DX

JUNE 1993

dBRUCE HALL - 5 STIRTON AVE. - BRANTFORD, ONTARIO CANADA N3T 1E3
Equipment: JVC JR-S201 rec. (IF mod w/3-110 filters), Magnum Dynalab Slueth, 205 amp. Probe 9 fed with RG6 at 50' AGL, crown rotor, (distances are in km's)

MARCH 1993 DX

25 Tr
0728 WDCZ 102.7 NY Webster, g, legal ID 231
27 Tr
0700 WGNB 89.3 MI Zeeland, g, USA RADIO nx
"listener supported radio 89.3 WGNB Z-G, Rps" 301
28 Tr
0800 WRDL 88.9 OH Ashland, legal ID, broad-
casting from Ashland U. campus 468
0900 WKTL 90.7 OH Struthers, r, polkas, Radio
91, "Good Morning NE OH & W Pa, you're listening
to ETC RADIO here at 90.7 WKTL" 230

APRIL 1993 DX

4 Traps
0928 WAYZ 101.5 PA Waynesboro, country 101
Today's best country, Bruce Michaels DJ 437
1000 WBTF 101.7 NY Attica, k, Country 101
Batavia Downs ad (Bruce, did you hear this, or WJER
WBTF is still that, WJER is in Dover, Ohio-gr) 165
2 Tr
0620 WLEW 102.1 MI Bad Axe, lite rock Cruise 102
under TO local CFNY 102.1, Jon Secada 232
8 Tr
0803 WQED 89.3 PA Pittsburgh, APR. c, cls 299
2 MS
0630 WMFE 90.7 FL Orlando, "90.7 WMFE"
first of many logs 1624

PIRATE RADIO
97.7 FM

Panama City Beach, FL

Spent a lot of time getting educated on the educational frequencies as you can see. Found the perfect frequency for MS. As long as 90.7 WKTL OH Struthers is not signed on. They sign on late in the morning, which gives me an opportunity to snag sporadic and shower MS. Too bad though, that not many IDs happen on a regular basis down on the educational band. Let's bring on the e skip season so I can give my dial indicator some much needed exercise. It seems to be stuck on 90.7! 73, dB

BILL NIENAJADLY - PO BOX 2999 - CLIFTON, NEW JERSEY 07015-2999

March 98 (?) - during black out at World Trade Center, after the bomb blast, WNYC 89.9 was off. I logged WKXZ 93.9 NY Norwich 94 Kicks, 130 miles on car radio. During early/mid April 93, some tropo to Boston and Providence, heard bite and pieces of new 106.1 NY, 104.7 LI, and others. Did not officially log them. I passed advanced class and expect new ham calls-more later.
GOODXING-Bill (Congratulations, Bill-gr)

* Thanks Dave Nieman, Saul Chernos, Matt Sittel, and dBruce Hall for sending logos!
*STATION NEWS: First, some new from Texas: add KLLI 95.9 Hooks to the list of stations gone country; they are now "Thunder 95.9" and hit country format. KKTU Kilgore is now using the slogan "Classic Rock 96.1". KCUL Marshall is on: "Oldies 92.3 FM". Just the opposite has happened in Daingerfield: KWSK 106.9 is silent. Moving along, KISI 101.5 Malvern, AR is soft AC and "Y101.5". KWCK 99.9 Searcy, Ark. is country, and "Quick 99.9". Album rock station KLXQ 96.7 in Hot Springs, Ark. uses the slogan "Q96". Marshall, Michigan 104.9 has been heard back on the air. I do not know if they still have the same calls, I heard "104.9" slogan, and Stereo country format. WYHY 107.5 Lebanon (Nashville) is still "Y107", but goes more into a rock 40 approach. WZKV 99.7 in Palmyra, NY, just east of Rochester, is on the air, with a religious format. In Pennsylvania, 101.3 in Scranton has gone country, with the calls WGGY and a "Froggy" slogan. In the same market, 97.1 Mountaintop is now WBHT, top 40, with a "Hot 97" slogan. Thanks Doug Smith, Matt Sittel, Bob Smolarek.

NORTHERN FM DX

JUNE 1993

WILLIAM WYLLIE - 95 PECK ST. - FRANKLIN, MASSACHUSETTS 02038-2217

MARCH 1993 DX

28 Tr
0120 WKSS 95.7 CT Hartford, ID noted in long
Disco like music "Kiss 95.7 House Mix", strong
0135 WZBQ 97.3 CT Litchfield, legal ID, noted
lite rock music
0209 WPKX 97.9 CT Enfield, "Back to back
country hits, Springfield's 97.9", Kicks 97.9, have
heard this one once before
0223 WJOB? 98.7 NH Winchester, "Oldies 98.7"
30 Tr
0451 WZEA 102.1 NH Hampton, good but fuzzy of
"WAQY, "Seacoast 102", softrock?, CNN news, ID
"WZEA Hampton/Newington/Newburyport"

98.1 WKQQ FM

Programming note: WKPE 104.7 Orleans, Mass. now has oldies. ID's as Oldies 104. ex-Cape 104. My receiver was a Realistic Modulaire 2200 radio, with the built in antenna. Help, I need address for WZBQ, WPKX, WJOB, WZEA, and WBEA. (My MSt. Journal is outdated somewhat, but I have these: WPKX, 1655 Main St. Springfield, MA 01103, and WJOB, 13 Lamson St., Keene, NH 03431. Perhaps someone has addresses for the newer stations asked about-gc)

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Equipment: Pioneer TX9100 tuner mod with 2 180 and 2 150 khz filters, Stereo Probe 9 at 25' AGL, CAC11 and RG6 coax, ArcherRotor used, phasing with TV antenna and a "capacitor in a box" setup.

MAY 1993 DX

6 Tr
0817 WELL 104.9 MI Marshall, "104.9", k\$, back to
the air, wonder if the same calls? 321
8 Tr
0015 WCBA 98.7 NY Coming, CBA-FM, rare 101
0016 (WSP?) 99.7 PA Mt. Carmel, calls heard, was
there a change?, lite rock music 188
0017 (WHEN) 107.9 NY Syracuse, k\$, Hot Country
108 of phased CING, ex: WRRB, WRHP 130

12 Tr

0945 Cleveland/Akron FM's with excellent signals
including 94.1, 98.1, 102.1, 105.7, 107.9
10 Tr
0950 WOEL 92.7 OH Bucyrus, ada 260
1000 WAPQ 98.7 OH Crestline, op\$, comedy
act, "The Apple" and legal ID, strong sig. 254
12 GW
2300 WZZV 99.7 NY Palmyra, g\$, legal ID
great, yet ANOTHER new semi-local. 65

Not much DX to speak of lately. Tropes have picked up a bit in May after being non-existent during this year's first four months. And I finally saw some e-skip, though none heard on FM yet. The first e-skip day this year was May 13, which brings my average opening day to May 10. Hopefully this year's skip season will be better than the last two. I am planning to be in Nashville for the convention, hope to see many of you there!

STATION NEWS: In Seattle, Wash., KPLZ 101.5 is now more of a dance approach. In Coastal North Carolina, the simulcast between WRHT 96.3 Morehead City, and WHITE 103.7 Williamston has broken up. They had previously been simulcasting a top 40 format as "The Hot FMs". They now reportedly will both be top 40, but in competition now. There has been a frequency switch in central New York. 102.5 in Rome, NY is now Unistar hot country, with the calls WKDY. Nearby 93.5 Remsen, NY takes up the WUUU call letters and oldies format. WKNZ 101.7 in Collins, Miss. is now classic rock. News from Louisiana: KCRL 106.7 Rayne-Lafayette was supposedly to sign on on May 1st, with a country format. Also, KLIP 105.3 Monroe is on, with an urban format, and slogan of "Hot 105.3". Moving to the east, 95.5 Jackson, which has had a slew of formats and calls recently, WJUN, WOHT, and most recently WKGB, is now WKTF, and the ever-popular country. Slogan is "Catfish Country". WSGY 100.3 Tifton, Ga. is the latest station to switch to a country format. WSKS 97.7 Sparta, Georgia is now modern rock, running parallel to station WCHZ 95.1 in the Augusta area, "Channel Z" slogan. Because of complaints from WHIT Newark, NJ, 100.3 in suburban Philadelphia (Media) is no longer using the "Z100" slogan. They have changed calls to WPLY, and are now using a Y100 slogan. KNFO 95.5 Waco, Texas has changed calls to KCKR, and now is "Kicker" as a slogan. Also, KORQ 100.7 in Abilene, Texas was to have gone to a top 40 format. Boston, which was without a country FM station for the longest time, now has two of them! WCLB 105.7 debuted a few months back, and now WDDJ 96.9 in that city has gone to a country format. WEBK 105.3 Killington, VT is on the air, with a classic rock format, and K-105 slogan. WAMC 90.3 Albany has a new relay: WAMQ 105.1 Greel Bennington, Meas. WYAY 100.7 in VT has two strong transmitters now: 99.7 Marlboro, and 104.7 in Jamaica. Thanks Mike Bugaj, Jerry Monroe, Kurt Richardson, and Matt Sittel.

SOUTHERN FM DX

Danny Burtin
1312 N. Skyline
Stillwater, OK 74075

JUNE 1993

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT, WV.

DEADLINE: 14th

'93 SKIP SEASON SEEMS OFF TO A SLOW START DO STAY TUNED.

MORE GULF TROP COMES IN DURING APRIL

Doug Allen, w2crs, P. O. Box 5646, Woodland Park, CO 80866

Equip.: Onkyo T-4087 (IF modified—see note) FM-13 at 50 ft.

2/1 trs

1240 KNTL 98.7 TX Amarillo, aslo 93.1 and
Amarillo ch 14 consistently peaking above
noise together.

3/12 trs & ms

1035 KYEZ 93.7 KS Salina, regular trs at
400 miles

1100 KSD 93.7 MO St. Louis, ID 10 sec.

burst

4/1 ms

WNYH 88.1 IL Winnetka, ID 8 sec.

burst, 100 watts?

4/4 au

2130 WHWC 88.3 WI Menomonee, ID, heard
several other muffled au signals, but only
ID; worked IN on 144 mhz

4/13 tr

0915 KBCO 96.5 OK Elk City, k, ID, in for
two hours, 378 miles

4/19 ms

1030 KJJK-FM 96.5 MN Fergus Falls, ID, 12 sec.
burst

Except for the very narrow duct into Elk City, OK on 4/19 which lasted several hours and excluded the more populated areas—nothing from Amarillo or OK City—tropo was almost non-existent as fast moving weather systems caused too much turbulence for inversion or ducting to form. The aurora of 4/4 was good; signal levels were full quieting level, but unreadable except for the above. My most quiet open mid-band frequency, which used to be 96.9 or 98.1—both now dominated by locals—is now 96.5. KRGI and KQSW are both regular on trs, but have only heard the slightly further away OK stations on the above date. MY UHF TN DXing station for the first time compares favorably with my FM DXing set-up which has provided 1000 mile plus tropo each of the last three years. (Well, good going, Doug. You're like a DX frontiersman out there on the Colorado front range. DB) It will be interesting to see if I receive similar long haul UHF TV? Es made an early appearance on 4/28 and 29 with many 50 mHz contacts into TX, LA, OK, AR, and IA. The MUF peaked around 65 mHz. 73, and good DXing.

John F. Combs N4SFS, POB 721027, Orlando FL 32872 (407) 282-6945

1/25 Es

1831 WERN 88.3 IL Rockford, ID 1050
1837 WERN 88.7 WI Madison 1100
1840 KIOD 93.3 IA Des Moines, ID 1150

3/7 Tr

1952 WJWF 88.1 FL Pensacola 380
1952 WFSU 88.9 FL Tallahassee 225
1956 WJTF? 90.1 FL Crestview, g 100
2113 WMTM 93.9 GA Moultrie 240

2115 WRBA 95.9 FL Springfield 305

2120 WPMF 107.9 FL Panama City 305

2313 WTVY 95.5 AL Dothan, K, local ment. 315

2313 WDOF 99.7 AL Dothan 315

2317 WRWA 88.7 AL Dothan, ID 315

3/10 Tr

0327 WJDK 96.3 MS Jackson, local ment. 595

0413 KAJN 102.9 LA Crowley, "Cajun" 695

0416 WOLS 103.9 AL Ozark, local ad 370

0421 WLTS 105.3 LA Slidell, ID 520

0500 WXUS 100.5 AL Fort Rucker, ID 370

0633 WTYX 94.7 MS Jackson, local ad 595

0720 WDJR 96.9 AL Enterprise 370

0811 WKNX 95.9 AL Greenville, ID 400

0813 WEZL 103.6 SC Charleston 320

0816 WSTH 106.1 AL Alexander City 405

0816 WKXH 104.3 GA Alma, area ad, ex-93.9 225

4/12 Tr

2158 WPAF 92.5 FL Panama City 305
2201 KQID 93.1 LA Alexandria, ID 690
2201 WQID 93.7 MS Biloxi 490

(Anyone else ever log "W" and "K" versions
of the same calls at the same time?)

2230 WSMI 107.1 GA Thomasville, ID 250

2248 KAJN 102.9 LA Crowley 695

2251 KHCN 105.7 TX Houston 860

2255 KMJQ 102.1 TX Houston 860

4/13 Tr

0012 KPGI 94.7 TX Luling, ID, local ads 985

0023 WUWF 88.1 FL Pensacola 380

0054 KMGC 106.1 LA Monroe, local ads 690

0057 WLTS 105.3 LA Slidell 520

0251 WERG 99.9 AL Mobile 410

0255 KKKZ 107.5 LA Ruston, ID 725

0304 KLOI 106.5 TX Jacksonville, ID, b 870

0359 WBBN 95.9 MS Taylorsville, ID 540

0405 WHJT 93.5 MS Clinton, area talk 605

0435 WTYX 94.7 MS Jackson 595

0443 KQXL 106.5 LA New Roads, ID 635

0445 WSTH 106.1 AL Alexander City 405

0448 WZHT 105.7 AL Troy 400

0457 WDJR 96.9 AL Enterprise 370

(Log now at 367 stations)

A few nice tropo loggings have been made in the last couple of months, but they are by far overshadowed by results on TV! Quite often, I would be viewing UHF from a given market at near local strength while not a peep heard from the area FMs. I seem to experience many openings that seem to ignore VHF freqs. In addition, Florida has become a highly saturated FM environment, and even normal morning/evening enhancement (let alone mega-openings) has a tendency to quickly clutter 90% of the frequencies with strong signals from Gainesville, Jax, Tampa, etc., and only DX with a bodacious signal manages to sneak through. A phasing system would help, but it's not in the budget right now (sigh). I admit that the antennas used here are modest, but they're as much as I can get in the air without violating park rules. Besides, my TV set-up isn't that much better, so I don't know. I haven't had nearly as much experience on FM as on TV, so maybe the situation is "normal" and I just expect too much. My experience with FM E-skip has been much more positive, so I eagerly await the summer skip season! 73, JOHN.

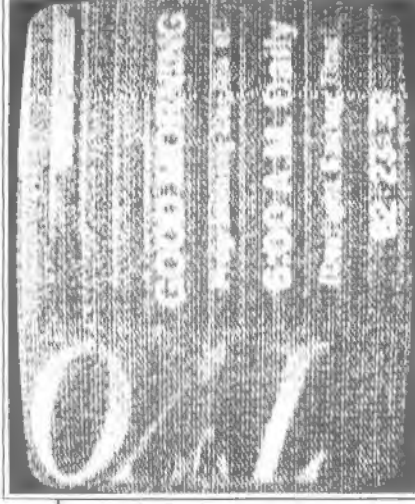
JUNE 1993

 Bureau
Road

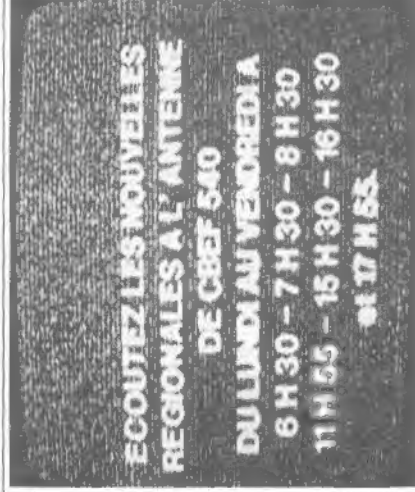

WJET-24
Erie
Pennsylvania
300 mile
tropo
seen
September
14, 1992
at 0200 CDT



WNYB-49
Buffalo
New York
460 mile
tropo
seen
September
14, 1992
at 0200 CDT



CICQ18-18
London
Ontario
330 mile
tropo
seen
September
14, 1992
at 0254 CDT



CBEF-54
Windsor
Ontario
245 mile
tropo
seen
September
14, 1992
at 0314 CDT

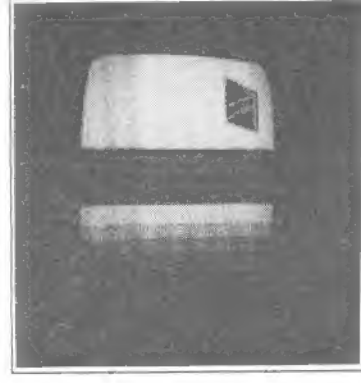
Robert
Kramer
Chicago
Illinois
is our
reporter.
Equipment:
1978 RCA
19" b&w
Sony 19"
color set,
Mitsubishi
HS-422UR
stereo VCR.
Archer
U-120 UHF
at 68" and
V-185 VHF
at 58" both
antennae
fed with
RG-11 coax.
Three
Archer-15-1113A adjustable preamps.

Camera equipment: Ricoh XRM 35mm loaded with Kodak T-Max 300 ASA b&w film. More from Robert next month.

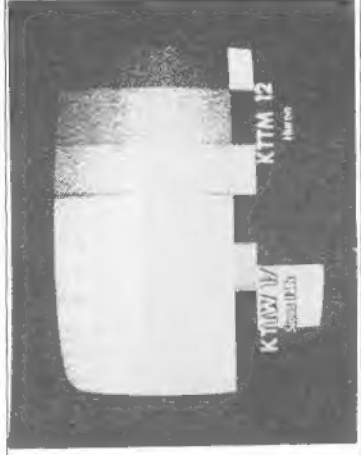
JUNE 1993

page two

Bill
Eckberg-
Dixon
Illinois.
Equipment:
1966 Zenith
b&w
receiver
model CH
14N22 with
modified
UHF tuner.
Channel
Master 1110
VHF
antenna
with RDX
Labs UA 700
pramp at
41 feet on a
Rohn tower.
Channel
Master 7
feet (UHF)
dish with
RDX Labs
UA 900 pramp at 52 feet on a Rohn crankup tower. Jerrold CAC-11 feed for both antenna



CKLT-13
Florenceville
New Brunswick
1105 mile
E-skip
seen
July
29, 1992
at 0455 CDT
"Atlantic TV"



KTTM-12
Huron
South Dakota
470 mile
tropo
seen
August
9, 1992
at 0200 CDT
"new on air"

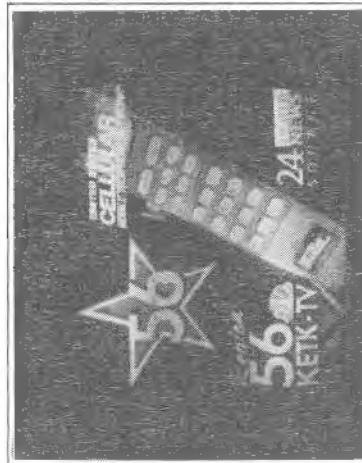


KCCW-12
Walker
Minnesota
430 mile
tropo
seen
August
9, 1992
at 0555 CDT
"new call"



WZTV-17
Nashville
Tennessee
408 mile
tropo
seen
August
10, 1992
at 0220 CDT
"1993 WTfDA convention city"

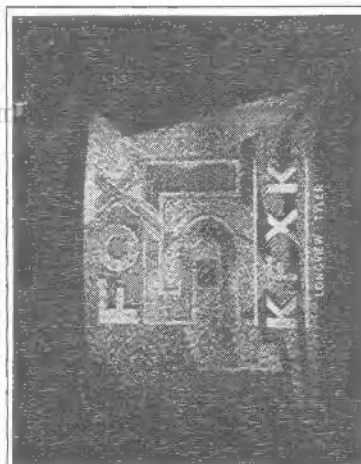
Bill Eckberg's report continued from page two.



KETK-56 Jacksonsville Texas
747 mile tropo
seen September 24, 1992 at 0525 CDT



KTMD-48 Galveston Texas
914 mile tropo seen September 24,
1992 at 1040 EDT
"rare tropo duct"



KFXK-51 Longview Texas
697 mile tropo
seen September 24, 1992 at 0606 CDT



WKEF-22 Dayton Ohio
298 mile tropo seen late 1992
"more kw"



About the convention? I put in for the time; me attending is up to my employer. I also have a sister down the road in Florence AL I'd like to see.

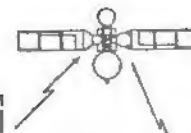
Till next time, DAVE

more from Bill next month.

From Tom Bryant, Nashville, Tennessee: "I know this doesn't qualify for any sort of DX record (not at 7 miles); but thought it might be of interest because so many of our members seem to be within the WZTV tropo range."

The reason for the picture is a major change in their logo. They run this between about 1AM and 6AM Sunday night (Monday morning). It's also used on all promos, and a 'moving' version of it is supered over regular programming several times per hour. The motion starts with a clockwise sweep that reveals the call, city and FOX (lower right corner) along with a red line which moves to the left, followed by chyron promotional script above the line. Thanks Tom for the DX tip; members shouldn't miss the ID on this one. FOX 29 Buffalo uses the same logo. Fox 31 Rochester is still using the old style.

SATELLITE NEWS



George W. Jensen
4004 Anntara Avenue
Baltimore, MD 21206-4220

Time for another report on the doings up in the sky with satellites. For the first time in a long time - there isn't much in the change situation.

Galaxy 1 XPDR 14 - ESPN testing
Satcom 3 XPDR 19 - Flix parallel to G1 feed
XPDR 20 - Mind Extension University parallel to G5 feed

Galaxy 3 - XPDR 1 - Keystone Inspiration off this XPDR noted on another on this bird now (May 13) nowhere I can determine.

Also on G-3 - Asian Television has been testing on several transponders with a target date later in the summer. This is different from TV Asia which is on XPDR 7.

And now a review on what satellites are up there. This list is based on reception from this location and moves from west to east. The date is the launch date

- 139 W - Satcom C5 - Aurora 1991
- 137 W - Satcom C1 - 1990
- 135 W - Satcom C4 - 1992
- 133 W - Galaxy 1 - 1983
- 131 W - Satcom C3 - 1992
- 128 W - ASC 1 - 1985 (C and Ku)
- 125 W - Galaxy 5 - 1992
- 123 W - G-Star 2 - ? (Ku only)
- 123 W - Telstar 303- 1985
- SBS 5 1988 (Ku only)
- 116.5 - Morelos 2 - 1985 (activated 1989 C and Ku)
- 114.9 - Anik C3 - 1982 (Ku only) inclined orbit
- 113.5 - Morelos 1 - 1985 (C and Ku)
- 111.1 - Anik E1 - 1991 (C and Ku)
- 107.3 - Anik E2 - 1991 (C and Ku)
- 105 W - G-Star 4 - 1990 (Ku)
- 103 W - G-Star 1 - 1985 (Ku)
- 101 W - Spacenet 4 - 1991 (C and Ku)
- 99 W - Galaxy 6 - 1990
- SBS 6 - 1991 (Ku)
- 97 W - SBS 2 - 1982 (Ku) inclined orbit
- 96 W - Telstar 301-1983
- 95 W - SBS 3 - 1982 (Ku)
- 93.5W - Galaxy 3 - 1984
- 93 W - G-Star 3 - 1988 (Ku) Inclined Orbit
- 91 W - Galaxy 7 - 1992 (C and Ku)
- 87 W - Spacenet 3- 1988 (C and Ku)
- 85 W - Telstar 302-1984
- GE K1 - 1986 (Ku)
- GE K2 - 1985 (Ku)
- 76 W - Comstar 2/4-1980? Inclined orbit
- 74 W - Galaxy 2 - 1983
- 72 W - Satcom 2 - 1983
- 69 W - Spacenet 2- 1984 (C and Ku)
- 62 W - TDRS 3 - 1992
- 53 W - Intelsat 513 1992 (C and Ku)
- 50 W - Intelsat 506 1982? Inclined Orbit
- 45 W - Panamsat 1988 (C and Ku)
- 41 W - TDRS 4 1990?? (C and Ku)
- 34.5 W - Intelsat 603 1991 (C and Ku)
- 31 W - Hispasat 1992 (Ku)
- 27.5 W - Intelsat 601 1990 (C and Ku)
- 24.5 W - Intelsat 605 1990 (C and Ku)
- 21.5 W - Intelsat K 1992 (Ku)
- Intelsat 502 - Inclined Orbit

CONTINUED ON PAGE 25 →

EASTERN TV-DX

Stephen West
26 Dougherty Blvd. G-8
Glen Mills, PA 19342-1140

(215) 358-2648

"Log DX, not trees!"

Deadline: 5th of the Month

June 1993

Due to a lag in new TV DX reports we will feature comments from Mike Reid and some equipment comparisons. The equipment listed below was tested in three locations, and observed without test equipment.

Model	Year	Output	Stereo	Remote	Fine Tune	Comments
Teknika 6001	1978	RF only	no	yes	yes	12 ch. thumb wheel
primitive tuning like the first VCR tuners.						
Teknika 6401	1983	RF only	no	yes	yes	83 ch. w/station search
that goes up or down channel to the next channel with a signal.						
Teknika 6510	1985	RF & AV	yes	yes	no	83 ch. w/2 VHF ant input
one cable and one off air (w/FRED) (both cover ch. 2 to 13)						
Teknika TVC-22	1986	RF & AV	yes	no	yes	no up or down ch. button
so each channel has to be put in separately (eg. 2-5, 2-6) (overloads easily)						
Zenith 21"	1971	B & W	no	no	yes	tube set with a round
70 channel clicker type UHF tuner. Selectivity bad and -14 ch. image bad.						
Zenith 19"	1981	RF	no	no	yes	Solid State set with
a 70 channel clicker type UHF tuner. -14 channel image bad.						
NEC 20"	1988	RF & audio	yes	yes	no	emphasis on dark snow
(noise) so weak signals look less snowy due to circuitry						

Also tested were a 1983 19" Zenith color set with manual electronic tuner (with a ten number key pad on the set) and a Pioneer TVX-9500 tv audio receiver but they worked so poorly they were not included in the comparisons.

Most of the equipment listed for over \$200. each new, but were bought at Ham-Fests and used electronics stores for less than \$50. each.

The best reception of weak signals was the 1971 B & W Zenith TV. The 19" Zenith color TV set and the TVC were a close second. (The TVC-22 was the best tuner for recording weak signals.) The Teknika 6510 and 6401 were in third place. The Teknika 6001 had the audio in clear with a snowy picture, then when it was tuned to the best video signal the audio was out of tune. The NEC 20" color TV with auto tune locks on frequency slightly above the channel so only a signal in color looks clear. Pictures of half snow-free signals were similar on most of the equipment.

One trick to get a good B & W picture on a weak signal on the TVC-22 and 6510 is to use audio out for audio and RF out on channel 3 or 4 of your VCR, then fine tune the VCR (if you can fine tune your model VCR) slightly down in frequency to get the peak B & W signal. When DX is strong enough for color, tune up in frequency for the best color signal or plug in the video out of the Teknika to the video input of the VCR.

The audio IF (41 megahertz) is extracted from the '71 Zenith B & W TV with a wire near the circuit board of the TV going to an antenna jack of a tunable lo band police receiver. (Guardian 7000 by Lafayette) This enables clear audio reception of signals at a weak frame bar signal level. The audio sensitivity was compared to the Icom R-7000. The audio was similar with the Icom in the wide mode. With the Icom in the narrow mode the Icom is much more sensitive than the IF extracted Zenith audio. The Icom (with the Icom video adapter) had the common problem of detuned video when the audio peaked, and the audio suffered when the video was peaked.

The Icom was able to detect audio before any sign of video was present. The audio offsets; .75 for 0, .74 for - and .76 for + would bring in three separate distinct audio signals from each scatter signal TV channel. On channels with local stations, the Icom could not bring in audio on separate offsets, but if a local had noticeable CCI then you could probably get audio from the DX station. An exception to this is Es when audio from a DX station can be strong when there is no sign of video CCI.

Bill Neinajadly P.O. Box 2999, Clifton, N.J. 07015 N2QJJ/AA

April 1993

9 tr 2200 WMHT-17 NY (160)

26 GW 1800 WMBC-63 NJ (40) New on air!

Eastern TV DX

June 1993

Bill Neinajadly (continued)

Equipment: Radio Shack Deluxe UHF yagi, AC-4990 amp, rotor, cheap TV

Comments:

4/9/93 Albany 23, WCDC-19 MA snow free, Boston Ch. 33 (W33AV SW) with video jukebox in snow free at times. W17AC NYC (WPIX) has been of the air for some time now enabling me to get WMHT-17. WMBC-63 from Newton, N.J. is very ghosty even at only 40 miles.

Mike Reid, 1408-65 Spring Garden Ave., North York, ON M2N-649

Equipment: Zenith 19" B&W, Icom R-7000 receiver, two-bay antenna at 105' above ground, Winegard AC-4990 amp.

Comments: (from fall of '92) A tropo season that keeps you on your toes! A lot of unusual paths opened up this fall. Over the August to October stretch, I received about 3/4th of the NJ station even seen. I never heard of a Rhode Island to Toronto path before. It was nice of CBLFT to be on reduced power for much of this period. I was able to dig out the audio signals of several stations on channel 26 with the Icom. Unfortunately, the FM stations on the CN tower (Toronto) were down on 10/23 which I missed completely. It is rare that this happens when tropo are present. (Murphy's DX Law) My Icom developed a problem and does not operate in several frequency ranges. I can only DX on channels 21 to 61, so I missed some DX. I tested QSL waters with four attempts and got four replies! Do the NJ Network stations always have that "NJN" on the screen? (Yes, whenever I view channel 23. I am sorry I had to edit your loggings last month but there was over 150 stations and the report was not typed. I reported the highlights but with no mileage listed I could not determine which were the best catches unless they were new. SW)

Stephen West, 26 Dougherty Blvd. G-8, Glen Mills, PA 19342 N3FYO

Equipment: 4 bay UHF antenna (indoors) with a Winegard PA-4975 amp. at 20 AGL and 400' ASL.

April '93 Nags Head, NC

4-9 tr 0730 WEBA-14 SC (371)

0800 WCES-20 GA (412)

WNTV-29 SC (376)

0830 WNEH-38 SC (378)

May '93 Glen Mills, PA

5-9 tr 0300 WYDO-14 NC (Fox)

0400 WLFL-22 NC

WRDC-28 NC (340)

WZBN-25 NJ (45)

Comments: Good tropo for several days in May, with a new one in New Jersey adding CCI to channel 25 regularly now. They are broadcasting "ALL NEWS CHANNEL" 24 hours a day from Mercer County, NJ. I received a channel 35 with Family Net programming giving CCI to WRLK-35. This could have been Hazelton, PA (W35AT) as Scranton was in strong. WTXH channel 20 is now Home Shopping 24 hours a day. Channel 53 in Atlantic City, NJ is now stronger, probably running a few kilowatts now. They are still "Channel America". I had a tentative WMBC-63 with ethnic programming during this period. WZBN-25 does not come in without tropo.

WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

WESTERN TV-DX

Fred McCormack
PO Box 65666
St. Paul MN 55165-0666

(612) 735-6860

Deadline: 07-08-93
Cut-off: 04-01-93

June 1993

New _____ New Mode _____ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - // MTS Stereo - \$

TA Tamalipas YN Yucatan

Michael Parks, Route 1, Box 103, Amery WI 54001

CST

Equipment:

Channel Master 1110 Quantum with Winegard PA-1375 preamplifier and RG-11U at 30', Channel Master 4228A with Winegard PA-4975 preamplifier and RG-11U at 35', Alliance HD-73-1 rotor, Channel Master 7206 HI "G" trap, and Zenith Z1920W 19" color TV.

February 1993

15 gw 2105 WEUX 48 WI 56 of WLAX-25, La Crosse. Their supposed 80 KW at 320 feet doesn't get out very well. Reception here is quite poor and is significantly weaker than equidistant K53CH, St. Paul (1.8 KW at 700 plus feet).

March 1993

27 tr 2106 Chicago UHF's WYIN 56 IN 372 Many thanks to Bill Hepburn for IDing some of the WNDU 16 IN 402 Canadian stations mentioned in my last report. The two "Radio-Canada" CBVT-11 repeaters on channel 2 were CJBRT, Rimouski, and CBGAT14, Carleton (both Quebec). The Ottawa test pattern on channel 3 was most likely CBOT6, Pembroke, Ontario. 73, Mike

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CST

Equipment:

1966 Zenith b/w receiver ch 14N22, modified UHF tuner. Rohn tower - Channel Master 1110 at 41'. Rohn crankup tower - Channel Master 7 foot dish at 52'. RDX Labs UA700 and UA900 preamplifier respectively. Jerrold CAC11 cable.

March 1993

27 tr 0240 WOIO 19 OH 401 28 tr 0350 WMTU 16 TN 419
27 tr 0030 WOAC 67 OH 417 0400 WPGH 53 PA 491 0435 WLMT 30 TN 451
0230 CIII22 22 ON 360 0500 CIII41 41 ON 525
0235 WKBN 27 OH 450 28 tr 0345 KTEJ 19 AR 409

I saw snow free video of WLAX-25 to the northwest on channel 15. Could this be the WYIN-24 channel 14 translator at Decorah, Iowa off frequency?

I saw the Global ID on channel 22 all night on March 27. Wasn't Global 41 in Uxbridge formerly channel 22? I have no listing on this although it has been reported often.

[I don't have the history of these Global changes handy, but I believe the current situation is that channel 41 broadcasts from the CN Tower in Toronto (43-38-33 N 79-23-15 W) and channel 22 broadcasts from a site south of near midway between Windsor and Chatham (42-03-41 N 82-29-05 W). FCC microfiche and Television Factbook identify channel 22s city of license as Stevenson. fm)

Jeff Kadet, Hotel Vijaya, Puri, India

IST

Equipment:

TV: Nelco Maestro; ANT: 5 element yagi (ch 14-20?) up 50' overlooking Sea of Bengal.

02/22 Es 1950 unids - two channels on low band (possibly 3).

2039 unid - (channel unknown, probably E-2); VISA card ad in Arabic portraying three sheiks with white headaddresses.

gw 2100 local Doordarshan outlet here on UHF (on low part of band judging how antenna is cut).

Western TV-DX

June 1993

Jeff Kadet (continued)

02/23 Es 1250 unid - round test pattern almost exactly like the Phillips "Montreal" test pattern seen all the time on Es, except it said something else (couldn't read it).

I spent two months this winter traveling around the northern part of India. I watched lots of TV while there but didn't seriously DX until Puri which is a straight 370 mile over water path from Burma. The plan was to try to get Burma on TV, but no go. After getting back to the "USA" (as Indians call it), it is noted the WRTVH lists Burma as having NTSC and India is PAL.

However, there was some unexpected E skip! As a guess, I think the February 22 unid was from Dubai, but the signal would have had to make its way through the hotel which was blocking the west, plus deal with a UHF antenna. Had one had rabbit ears available, these may have been interesting openings.

The UHF yagi, 10' of cable and a connector installed cost a whopping 52 Rupees. There are 28 Rs to \$1.00. The connector looks like an F connector, except the center conductor looks like one from an RCA plug. I brought the antenna back through US Customs and nobody checked me! The tuner on the Nelco TV was pushbutton with those little V-to-V-H/UHF wheel adjustment things for each button. That is why I do not know channel numbers I was watching.

Jeff Kadet, Box 20, Macomb IL 61455 (W3CRH) (309-833-1809)

CST

Equipment:

ICOM R7000 with video adapter; Zenith L1310, N1310, Y1310 13" color sets; five 9" to 12" black & white Zeniths for E skip (all sets circa 1979-1982). Screened Channel Master 7" dish with UA-900 preamplifier, .500 aluminum hardline up 85'. Channel Master 1110 with PA-1975 preamplifier, .500 aluminum hardline up 80'. Winegard 5 element lo-band yagi (vertically polarized) with RG-11 up 18'.

March 1993

27 tr 0300 W48AP 48 OH 375 (Toledo WJUN)	28 tr 0358 W22AJ 22 IL 195 (Waukegon TBN)
CIII22 22 ON 440 (See Note # 1)	ch 45 shopping (Rockford ??)
CIII41 41 ON 615 (See Note # 1)	0516 unid ch 48z n (See Note # 2)
0402 &CFMT 47 ON 615 (Iron Mtn LPTV)	0534 WEUX 48 WI 305 (See Note # 3)
0600 &CBFT 54 ON 415 K69BA 59 MI 390 (Iron Mtn DIS)	W64AU 64 WI 245 (Adams w/WYCC-20)
&CBLN 40 ON 510 (Iron Mtn WLK-11)	2220 K62EG 62 MO 140 (Normal WHRM-20)
2010 W54AR 54 WI 380 (Fence WPNE-38)	2000 K70DR 70 MN 280 (Blue Earth KTC-10)
W57BJ 57 WI 300 (Green Bay TAB)	28 tr 0130 St. James MN Us
\$W59AQ 59 MI 390 (Iron Mtn WGN-9)	Willmar MN Us
	@KTEJ 19 AR 315
	(Super strong AN)

Note #1 - NOT parallel to channel 41 with that incessant all night street scene stuff. They just had a Global ID up.

Note #2 - Some satellite network, possibly BET.

Note #3 - Color bars with WLAX-25 dual ID. NOT related to above unid.

Current screened dish, mast, and tower configuration have withstood two Illinois winters intact; a very good omen.

Muchas gracias to Fernando Garcia for listening to my channel 48 tape of June 17, 1992. To quote Fernando, "I'm sure indeed you got Piedras Negras. I don't catch them often here. I'm sure they don't run much power. Nice catch from Illinois!"

This may be my best TV catch ever with contenders being channels E-2 in Norway and Sweden, both confirmed by letter from photos I sent; a 95% certain Leningrad on channel R1 (never confirmed); 47 mile distant channel 14 pirate in Manito, Illinois; WLVI-56; and 7 Colorado translators. Station total is 1307 with about 950 photographed.

One last item (let me sneak this in because there is no FM column): I did not realize that you can FM-DX from an airplane with mindboggling results. I FM DXed on a little Casio portable with digital readout all the way from Yemen (where the plane refueled) to Chicago. It's like DXing from atop a 20,000' tower. Zillions of hi and lo powered stations all over the dial. FM broadcast is very active in the Middle East and eastern Europe. (India, on the other hand, only had 1 FM station I heard (in New Delhi). But Bombay, appropriately named because of all the bombs that go off there, may have one too.) 73

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216 (414-388-2350)

COT

Equipment: See May 1993 Western TV-DX

April 1993	13 tr 2011 W54BK 54 IN 205	13 tr 2011 W22AJ 22 IL 145	22 tr 2219 W40AN 40 MI 95
	(Chesterton LPTV)	(Waukegan TBN)	(Abv 3 snowfree)
	W24AW 24 IN 205	17 tr 0605 W19BH 19 WI 145	lower MI LPTVs
	(Valparaiso LPTV)	(Janesville TBN)	26 tr 0625 KDNL 30 MO 430
	W18AT 18 IN 195	18 tr 1941 WCFC 38 IL 175	W54BK 54 IN 205
	(Gary LPTV)	(Local WPNE off)	1951 W18AT 18 IN 195
	W25BM 25 MI 180	21 tr 2134 W40AK 40 MI 110	2109 WTVQ 38 KY 470
	(Berrien Springs TAB)	(Muskegon CHA)	W42AF 42 WI 80
	W29BE 29 MI 110	W40AY 40 MI 90	(Ripon TBN)
	(Muskegon TBN)	W40AN 40 MI 95	2125 WDRB 41(IN) 430
	W69BT 69 IN 200	(Escanaba WLK-11)	Iron Mtn xltres
	(South Bend WCIU-28)	W19BA 19 MI 140	strong 100
	W40AY 40 MI 90	(Grand Rapids TBN)	27 tr 0721 WDKY 56 KY 480
	[Traverse City WKI-33]	W69AV 69 MI 95	WDRB 41(IN) 430
	2032 W24AI 24 IN 180	(Leeland WCML-6)	WTVQ 36 KY 470
	(Michigan City TBN)	W54BK 54 IN 205	WGRB 34 KY 515
	(Morse Code ID)	22 tr 1915 W54BK 54 IN 205	28 tr 2235 lower MI LPTVs
	W23AT 23 IL 175	W23AT 23 IL 175	30 tr 2152 W54AP 54 IL 200
	(Chicago LPTV)	W22AJ 22 IL 145	(See Note # 2)
	W08BW 8 WI 55	W08BW 8 WI 55	W22AJ 22 IL 145
	(Sheboygan LPTV)	(See Note # 1)	W23AT 23 IL 175
	(See Note # 1)	2033 W54AP 54 IL 200	May 1993
	W20AG 20 WI 55	(Blue Island religion)	2 ms 0603 CBFT 2 PQ 685
	(Sheboygan TBN)	2219 W40AK 40 MI 110	(Local WBAV off)
	(under WYCC-20)	W40AY 40 MI 90	(See Note # 3)

Note # 1 - 04/13 @ 2038 - U.A.E. program - news in Arabic. 04/22 @ 1915 - U.A.E. program - news from Belgrade, Yugoslavia. At 2100 in Yugoslav.

Note # 2 - "Catechism Lessons" started at 2200 and continued past 2215 at which time the signal faded. The catechism lessons began on April 27 and are a nightly affair.

Note # 3 - Local WBAV-2 doesn't come on until 0620 on Sundays.

Not much DX in April. Three snow storms moving through the area didn't help matters much. The only good thing is they produced mostly rain here.

I was listening to the local Three Angels Broadcasting Network LPTV a few nights ago and they were talking about the new stations they intended to put on the air in Lincoln, Nebraska; Champaign, Illinois; Sarasota, Florida (channel 34); Madison, Wisconsin and Battle Creek, Michigan. In addition others who owned construction permits which were planning to carry Three Angels once they came on were in Wausau, Wisconsin and Denver, Colorado. There are probably more as I turned the station on while they were discussing this stuff. 73, Bill

Fernando Garcia, Apartado 30, Suc. B, Cd. Guadalupe, N.L., 67181, Mexico

HCM

Equipment:
Sony 27EXR15, Archer V-185 and V-8 UHF array at 30', Archer 15-1108 amplifier and rotor.

February 1993	16 tr 0705 KLPBT 24 LA	20 tr 0815 Austin 354
13 tr 0835 KRIVT 26 TX	0730 KTXH 20 TX 410	7,24,36,42
0840 KETH 14 TX 410	("Paramount 20")	0820 KXAM 14 TX 392
14 tr 2110 KABB 29 TX 283	17 tr 0605 KRIV 26 TX 410	0900 \$KLTJ 22 TX 404
KWEX 41 TX 283	0610 WMPV 21 AL 845	0922 KPEJ 24 TX 460
KVDA 60 TX 283	0612 WVLA 33 LA 640	0935 KADN 15 LA 584
15 tr 2040 Houston area 410	unid ch 21 CBS	0940 WVLA 33 LA 640
14,20,22,26,45, 46,67	19 tr 1900 KXXV 25 TX 447	0950 KLPB 24 LA 584
16 tr 0630 Houston area 410	1901 KWKT 44 TX 447	1000 KITU 34 TX 491
14,20,22,26,39, 45,48,67	2100 KXAM 14 TX 392	1020 unid channel 69
0700 KRRT 35 TX 314	20 tr 0700 KSAT 12 TX 283	(See Note # 1)
KABB 29 TX 283	0730 KTAB 32 TX 479	1220 KVHT 29 LA 522
KVDA 60 TX 283	0735 K26AP 28 TX 447	1330 WLAE 32 LA 640
	(Brownwood TBN)	1345 WNOL 38 LA 840
		1400 WBBH 20 FL

Fernando Garcia (continued)

20 tr 1500 KADN 15 LA 584	27 tr 0700 WPMI 15 AL 808	9 tr 2329 WDBD 40 MS 752
WVLA 33 LA 640	0701 WMAH 19 MS 752	2332 WJTX 54 GA 1019
1535 WLPB 27 LA 640	March 1993	(New tr state)
1540 WGNB 26 LA 640	2 tr 0630 \$KVHP 29 LA 522	2350 \$WGBS 30 MS 827
1550 KLTJ 18 LA 522	0703 KLAX 31 LA 640	2356 WJTC 44 FL 845
1802 KXXV 25 TX 447	7 tr 2205 KADN 15 LA 584	0030 WJWS 17 FL 1165
1835 Austin 354	8 tr 2132 KADN 15 LA 584	0035 WHOA 32 AL 848
18(\$),24,36,42	2150 WLPB 27 LA 640	0100 WBBM 42 AL 970
1900 KHCE 23 TX 283	2152 KLTJ 18 LA 522	0108 K21DM 21 LA
Houston area 410	2159 WVLA 33 LA 640	0120 WMPN 29 MS 752
26,39,45,48	2200 \$WMAH 19 MS 752	0145 WMAO 23 MS 805
unid ch 24 XEW	2201 WMAU 17 MS 870	0200 WNFJ 47 FL 1165
2130 KRIV 57 TX 416	9 tr 0558 KADN 15 LA 584	go to bed
21 tr 0315 KADN 15 LA 584	0600 \$KVHP 29 LA 522	0509 WTXL 27 FL 1010
KLTJ 22 TX 410	0605 KLPB 24 LA 584	0610 WVEU 69 GA
KRIV 26 TX 410	0615 \$WNOL 38 LA	(See Note # 2)
KABB 29 TX 283	0618 WMPV 21 AL 845	0513 WJTX 54 GA 1019
22 tr 0600 ELPB 18,24,27	0620 WVLA 33 LA 640	0519 WSSJ 55 GA 1075
Corpus LPTV 224	0631 WLPB 27 LA 640	0520 WNOL 38 LA 640
22(\$LA),47, 50(VJN),55,66	0645 WDBD 40 MS 752	0535 WBSB 17 GA 1088
WHRB 33 FL 845	0655 KLAX 31 LA 606	0544 \$WJSP 28 GA 1019
WLOX 13 MS 758	0705 WHLT 22 MS	0545 WHLT 22 MS 758
New Orleans 12, 26,38	0710, K21DM 21 LA 584	0547 \$WMAH 19 MS 752
0630 KPLC 7 LA 522	(Lafayette VJN)	0550 WMPV 21 AL 845
0631 WMPV 21 AL 845	0715 K92DWT 62 LA	0600 WFTS 28 FL 1088
0645 WPMI 15 AL 808	(Lafayette CHA)	0610 WPMI 15 AL 808
Houston area 410	2015 \$WNOL 38 LA 640	0620 WFXL 31 GA 1044
11,14,20,22,39, 45,48	2018 WMPV 21 AL 845	0650 WDAU 31 AL 910
WVLA 33 LA 640	2022 WFSG 56 FL 928	0658 \$WJWS 17 FL 1165
23 tr 0530 Houston area 410	2025 WLAE 32 LA 640	0704 \$WVLA 33 LA 640
14,22,26,45	2026 WFGX 35 FL 904	0708 WLPB 27 LA 640
Corpus LPTV 224	2030 WJWS 17 FL 1165	0710 WEIQ 42 AL 845
22,47,50,55,66	2035 \$WGNB 26 LA 640	0720 WLAE 32 LA 640
0600 KVHP 29 LA 522	2036 \$WMAH 19 MS 752	0725 WHBR 33 FL 845
0610 WVLA 33 LA 640	2037 KADN 15 LA 584	0730 WGBB 44 LA 640
0645 KADN 15 LA 584	2046 WEIQ 42 AL 845	2003 \$WVLA 33 LA 640
0655 KLTJ 18 LA 522	2047 WTVQ 40 FL 1010	2100 \$WJWS 17 FL 1165
2100 Houston area 410	2050 KITU 34 TX 491	2105 WMEF 24 FL 1165
11,14,20,22,26, 39,45,49	2051 \$KVHP 29 LA 522	2106 K59DG 59 LA 640
KVUE 24 TX 354	2055 \$WVLA 33 LA 640	2155 KLPB 24 LA 584
24 tr 0425 Houston area 410	2059 \$WLOX 13 MS 758	2200 WCEU 15 FL 1193
2,11,13,14,20, 22,39,45	2100 WAMS 30 FL 1165	11 tr 0140 WMEF 24 FL 1165
0430 KABB 29 TX 283	2105 \$WSRE 23 FL 845	0145 WOFL 35 FL 1165
0700 WVLA 33 LA 640	2110 KLTJ 18 LA 522	0205 unid channel 18
0701 KXLN 45 TX 373	2120 WAFB 9 LA 640	0700 WVLA 33 LA 640
1900 Houston area 410	2123 KPLC 7 LA 522	16 tr 0605 KTAB 32 TX 479
11,13,14,20, 22\$,39,45,48	2155 KLAX 31 LA 606	0645 KTXS 12 TX 485
1901 KARD 14 LA 680	2157 WHBR 33 FL 845	17 tr 0610 KXXV 25 TX 447
1905 WPMI 15 AL 808	2200 K59DG 59 LA 640	0650 \$KVHP 29 LA 522
1910 WMPV 21 AL 845	(New Orleans TBN)	0652 KITU 34 TX 491
1912 WMAH 19 MS 752	2205 \$WXXV 25 MS 740	18 tr 0658 KPLC 7 LA 522
1915 WNOL 38 LA 640	2206 \$WHLT 22 MS 758	0600 WVLA 33 LA 640
1918 \$WVLA 33 LA 640	2208 W39AT 39 LA 640	0605 \$WNOL 38 LA
1935 WXXV 25 MS 740	(Baton Rouge LPTV)	0610 WMAH 19 MS 752
1940 KLPB 24 LA 584	2220 WCOV 20 AL 948	0620 KLPB 24 LA 584
2020 unid 15 TEL ne	2223 WGBB 44 LA 640	0625 KADN 15 LA
27 tr 0320 San Antonio 283	2226 K56DR 56 LA 640	1855 KLPB 24 LA 584
4,5,12,29	(Baton Rouge TBN)	19 tr 0555 KPLC 7 LA 522
0322 KWKT 44 TX 447	2228 WTIQ 41 AL 870	24 Es 1845 unid ch 2 se
0325 Houston area 410	2243 WGIQ 43 AL 979	25 tr 0655 KXXV 25 TX 447
2,8,13,14,20, 22,26,39,45	2248 WYES 12 LA 640	26 tr 0600 KXXV 25 TX 447
	2255 WPMI 15 AL 808	2050 WVLA 33 LA 640
	2256 WMAW 14 MS 827	2055 KADN 15 LA 584
	2300 WDAU 34 AL 910	2100 KLPB 24 LA 584
	2306 WAPT 16 MS 777	2110 WGNB 26 LA 640
	2315 W46AV 46 MS 777	2112 WLAE 32 LA 640
	(Pascagoula TBN)	2115 KITU 34 TX 491
	2320 W29BHT 29 MS	30 tr 0810 unids 7, 12 SS
	(Biloxi TBN)	0625 XHDH 11 YN 780

<u>Fernando Garcia (continued)</u>		1 tr	2100	XHDH	11 YN	780	6 tr	0618	KVHP	29 LA	522		
			2105	XHTP	9 YN	780		0640	WVLA	33 LA	540		
31 tr	2215	XHDH	11 YN	780	2 tr	0620	XHDH	11 YN	780	0650	KADN	15 LA	584
	2235	XHST	13 YN			2040	unid	ch 13	Cuba	0651	KLPB	24 LA	584
					6 tr	0610	KXXV	25 TX	447				
<u>April 1993</u>						0615	KITU	34 TX	491				
1 tr	2050	XHST	13 YN	780		0617	KLAX	31 LA	806				

Note # 1 - CBS, logo for channel 5.
Note # 2 - Morning Business, suspect Atlanta.

Houston, San Antonio, Corpus Christi, and Austin too often. I will not report them in the future.

Jeff Kruszka, 7706-M N Jefferson Place Cir, Baton Rouge LA 70809 (504-923-0196) CST/CDT

Equipment:
1992 Zenith "Sentry 2" 13" color TV (Model #S1318S), UHF; RDX Labs UA-900
preamp, Channel Master 4228A 8-bay @30 ft. VHF; Rabbit ears + quad loops
for chs. 2 and 5. Mitsubishi HS-U31 VCR.

March 1993	26 tr	0600	KOKH	25 OK	216	11 tr	0652	WTJP	60 AL	390	
8 tr 2314	KTXH	20 TX	255	0610	KXAN	36 TX	545	2033	WFSU	11 FL	405
2325	WCJB	20 FL	525	0622	KVUE	24 TX	545	2150	WTLH	49 GA	390
9 tr 0000	=KEDT	16 TX	425	0629	KJTL	18 TX	285	2300	WFXL	31 GA	415
0007	WFTS	28 FL	550	0645	KETA	13 OK	215	2318	WBSV	62 FL	575
0022	KLTJ	22 TX	235	0654	KTLC	43 OK	215	2331	WTLX	27 FL	405
0552	KHCE	23 TX	445	0700	KCIT	14 TX	205		KLDO	27 TX	540
0553	KRIV	26 TX	255	0707	KOCB	34 OK	215	2350	WTWC	40 FL	405
0558	KWFX	41 TX	445					12 tr 0007	WJHG	7 FL	325
0601	KVUE	24 TX	395	From Baton Rouge:				0015	WBSG	21 GA	570
	KXXV	25 TX	360	29 tr 0002	WFTS	28 FL	550	0028	WKCF	18 FL	575
0604	KTMD	48 TX	235					0032	WJKS	17 FL	560
	KTFH	49 TX	260	April 1993				0103	WNFT	47 FL	560
	WBHS	50 FL	550	11 tr 0047	unid 11 Spanish			0442	WTMY	32 FL	575
0608	KHSH	67 TX	260		(See Note # 2)				KDOAF	33 TX	365
0610	KHOU	11 TX	255	0117	KFXK	51 TX	255	0443	WHBR	33 TX	230
0614	KXAN	36 TX	395	0143	KVEO	23 TX	500	0468	WOHN	18 AL	340
0646	KRRY	35 TX	475	0147	unid 28 Spanish			0500	WAWX	30 FL	560
0650	KHSX	49 TX	375		(See Note # 3)			0502	WTTA	38 FL	540
	K5QAO	50 TX	425	0213	K55FY	55 TX	255		WLTZ	38 GA	390
(Corpus Christi VJN)					(Houston ValuVision)			0511	WUSF	16 FL	550
0700	KPTX	58 TX	385	0215	KRTW	57 TX	235	0523	WBHS	50 FL	550
	WSFP	30 FL	620	0221	=KVUE	24 TX	395	0545	WTLV	12 FL	575
2019	KETH	14 TX	255		KXAN	36 TX	395	0552	WXTX	54 GA	380
2101	KRTW	57 TX	235	0234	KRRY	35 TX	475	0559	WSSY	55 GA	445
	(See Note # 1)			0239	KABB	29 TX	445	0645	WJXT	4 FL	580
2102	KMBH	80 TX	495	0244	KETX	56 TX	285	2003	WKCF	18 FL	575
2109	XHAS	7 TA	505		(a/local K56DR)			2054	WJKS	17 FL	560
2157	K47DF	47 TX	425	0315	KHSS	33 LA	210	2142	WCJB	20 FL	525
(Corpus Christi LPTY)				0418	WUWA	32 AL	315	2157	KWEX	41 TX	445
2211	KRIS	6 TX	425	0422	WCOV	20 AL	315		KVDA	60 TX	445
2219	KNVO	48 TX	525	0434	WKSAT	12 TX	445	13 tr 0526	KLRT	16 AR	305
2233	WFGX	35 FL	265	0500	KDFI	27 TX	365	0529	WBWG	42 AL	335
2257	KLRU	18 TX	395	0516	K17BYT	17 TX			WBWB	14 GA	420
2315	KHTY	39 TX	255		(San Antonio GLA)			0545	WACS	25 GA	405
2324	KVDA	60 TX	445		(ECO nx to west)			0558	KVIN	25 AR	270
2327	KBTX	3 TX	310	0524	KHSX	49 TX	375	0607	WOGX	51 FL	545
2347	KVEO	23 TX	500		K5QAO	50 TX	425		WSSY	55 GA	445
10 tr 0559	WBWG	42 AL	335	0529	KXXV	25 TX	360	0617	WCBI	4 MS	425
0600	WTJP	60 AL	390	0537	KASN	38 AR	270	0625	WXYT	15 MS	210
0605	WABM	68 AL	335	0550	WBSR	23 FL	230	0640	WCTV	6 GA	425
0607	WTTQ	21 AL	335	0553	KWEX						

From Dodge City KS:
(w/Watchman on 2nd floor)
26 tr 0600 KWTY 9 OK 215

Western TV-DX
June 1993

Jeff Kruszka (continued)				24 tr 0457	0457	0457	28 GA	390	24 tr 0501	0501	0501	WVTM	13 AL	335
				0511	WACS	25 GA	405		0603	0603	0603	WTJP	60 AL	390
13 tr	2317	WTXL	27 FL	405		(// 14, 28)			0646	0646	0646	WSFA	12 AL	315
	2354	WMCFE	45 AL	315	0520	WLTZ	38 GA	390	0700	0700	0700	WMGT	41 GA	470
14 tr	0033	WCOV	20 AL	315		WXTX	54 GA	360	27 tr	2100	2100	WNTZ	48 MS	80
	0040	KVTN	25 AR	270	0527	WCES	20 GA	545				(See Note # 4)		
	0116	WXTX	54 GA	360	0544	WTLZ	27 FL	405	28 tr	0640	0640	KTRK	13 TX	255
23 tr	2315	WMBB	13 FL	325	0550	WBMG	42 AL	335						
24 tr	0454	WBABW	14 GA	420	0556	WTMO	21 AL	335						

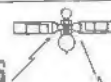
Note # 1 - Now we finally know this station exists! They ID'ed as "KRTW TV-57 Baytown/Houston," and they had religious programming. They must have limited hours, because I saw them go off at 2131 with no formal signoff. There have also been days when I've had Houston in strong, and they're nonexistent: so maybe they only run when they have money.

Note # 2 - In good for a 1/2 hour in color. "TV-13 Noticias" seen, no IDs.

Note # 3 - I saw this one in New Orleans, too. I don't think it's KORO and here's why: They did not show a "KORO" ID on the hour, just a "brushed" 28 diagonally across the screen. And, they signed off @0200 with what was not the US national anthem, probably the Mexican anthem (I did see KORO since @0559 with the US anthem and a full ID).

Note # 4 - First noticed this this morning. ID as "Fox 48 WNTZ Natchez/Alexandria" with Fox programming. They're not very strong here, it took a tropo enhancement (200 mi) to see them. I wonder what will happen to K47DW, Alexandria (was also Fox)? I haven't seen them here yet.

Wow!! Not bad for my first 2 months here. My log's already up to 160 - at this rate, and with a good Es season, I should surpass my New Orleans log in no time.



SATELLITE NEWS

→ CONTINUED FROM PAGE 17

14 W - Gorizont 15 - ???? (C and Ku)
11 W - Gorizont 12 - ???? (C and Ku)
8 W - France Telecom -?? (C and Ku)

This Telecom satellite is as far E as I can go. I'm near the horizon and trees and buildings prevent any reception beyond this point- though' without these barriers I might be able to get to 0. On the West coast reception beyond 139 is possible - you have to go close to 180 to get an Intelsat, though a couple of DBS sats for US use may be going up in that area in the future. Remember the original Alascom - Aurora 1 was at 143W and was viewable on its US beam here. That all for now - see you in 30.

Strong

PUBLISHER'S NOTES:

ACKNOWLEDGMENTS: A big thanks to Tom Bryant for cover material used on the March and May issues; thanks also to Dave Nieman for the coverage map on the April VUD, and to Mike Sanburn for this month's cover, and thanks also to Dave Marshall and Robert Twomey for additional material used on recent VUD covers.

—Bill Thompson

WHY A PARABOLIC DISH IS BEST FOR SERIOUS UHF TV DX'ING

by Mark McCarthy

To most of the TV DX enthusiasts in WTFDA, "UHF" means television channels 14 to 69, situated from 470 to 806 MHz. Design engineers will often tell you that this is an inordinately large chunk of RF spectrum to cope with in a single tuner, preamplifier, or antenna. Good reception at UHF has always been elusive to the public, and hasn't really been helped too much by the FCC's rather feeble attempts to foster it. All things being equal, UHF always has the disadvantage of higher signal path attenuation, higher transmission line loss, higher tuner noise figure, and so forth. But there's something about UHF that helps make up for all those supposed "shortcomings," and that's the great variety of antenna designs available to the reception enthusiast. This is due to the shorter wavelengths of UHF. These shorter length waves make it possible for the enthusiast to own an extremely high performance antenna, the parabolic dish. I'm talking about the 5, 6, and 7 foot models made by Antennacraft and Channel Master, popular--with very good reason--among WTFDA's TV DX'ers.

It's just not practical to have an effective rotatable parabolic dish antenna for the VHF TV/FM spectrum, but by the time you get up to about 500 MHz or so, a parabolic as small as 5 to 6 feet starts to give you the kind of results you can only dream about at VHF, such as forward gain in excess of 12 dB and a front-to-back ratio over 20 dB, as well as razor-sharp signal nulls.

Many TV DXers start off using stacked-bay bowties, either 2-bay, 4-bay (the most commonplace), 8-bay, the rarely seen 12 bay (it enjoyed some popularity in the late 50's--along with the Ford Edsel) and the "deluxe" version of the stacked bay array, the 16-bay, which can offer slightly more gain at the low end of the band than some parabolic dishes. There are those of you out there who I know are using stacked -bay bowtie arrays for DXing, but this antenna is just NOT for the serious DXer. It will do in a pinch and I suppose it may even fit into a small closet or a tight crawlspace, but I'll take even a 4 or 5 foot dish over a stacked-bay antenna anyway, in any opening. A good 4-bay bowtie does have probably more gain per dollar than any other antenna; the ones I've tried have very full gain curves and high front-to-back ratios across most of the ch 14 to 69 spectrum, but no stacked bay will ever give you the "laser-like" beamwidth--as well as the highest average gain--of a parabolic dish for UHF.

In terms of sheer forward gain, you would need to construct a 16-bay bowtie array to approximate the performance of a 7-foot UHF dish. Even then, you would not see the kind of deep nulls possible with a dish, and these are the kind of nulls that make successful UHF translator and LPTV DXing possible. Our friends up in New York and Pennsylvania are able to rotate their dishes 360 degrees and see several stations per channel above channel 50 in a "hot" tropo session, each separable. Dozens of different signals can be logged in during just one opening! Trying same with a stacked-bay array gets you nothing but a lot of co-channel interference--like E Skip on UHF. This is exactly why you'll always find the serious UHF TV DXer using a parabolic dish, along with a mast-mounted low noise preamp and low loss feedline (75-ohm hardline is an absolute necessity for long runs here -- standard coaxial cable won't do).

Most other types of UHF TV antennas probably aren't really worthy of consideration for serious DXing. The corner-reflector yagi, for example, is notorious for having narrow bandwidth and rapid gain rolloff--although often has quite presentable forward gain in the middle of its design range, which is often not much more than 15 channels wide. They are certainly much easier to rotate than a dish, cheaper, and lighter too--but you won't catch me using one for DX reception! If you are serious about the UHF TV DX game, use a parabolic dish. You'll pile up more new stations than you can keep track of, and you'll do it in fairly short order. The next time the band opens out to 900 miles, a dish can make the difference between identifying stations and guessing at anonymous "frame bar" trace signals.



EXTRA!

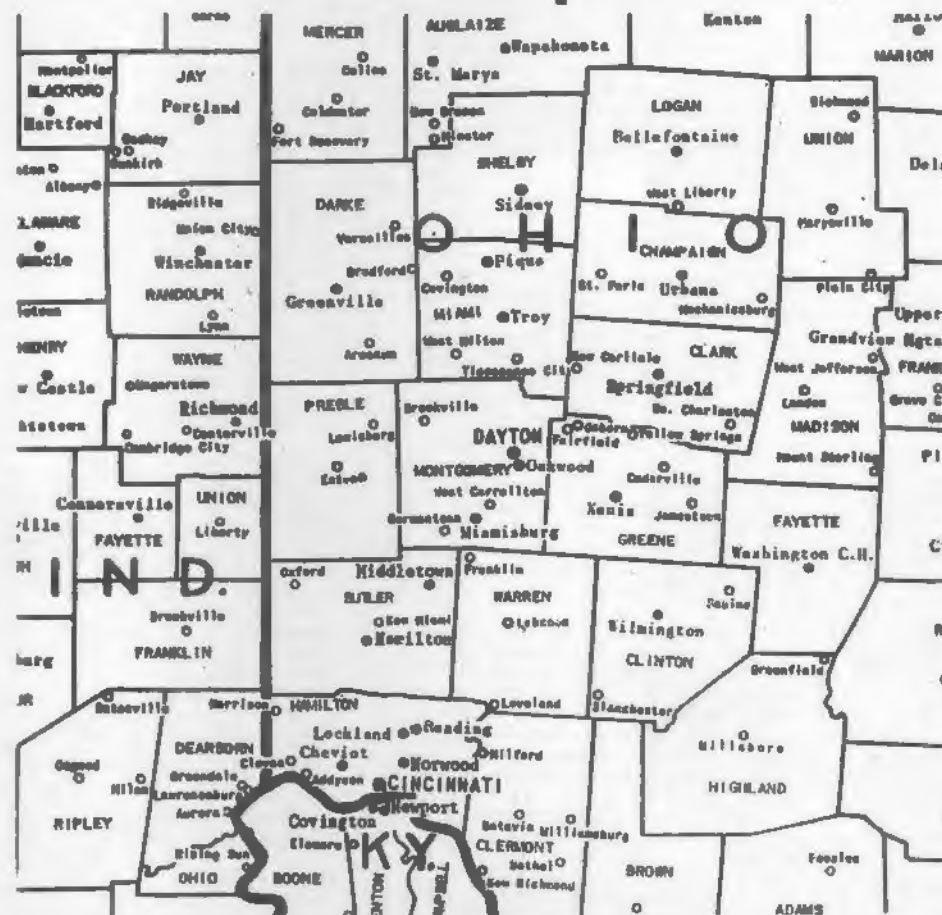
- Crowley/Avco -

WLW-D COVERAGE AREA

CHANNEL 3 DAYTON 9, OHIO

TELEVISION SERVICE OF THE NATION'S STATION

This coverage map is based on FCC definitions of Grade "A" and "B" service.



Crowley Broadcasting Corporation

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